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002 018; N9999 N7329 N7078 N7034 N7023; Q9999 Q7512; B9999 B3407 B3383
B3372; B9999 B3269 B3190; K9530 K9483; ND01
003 018; F20 Ba 2A; R01503 D00 F20 Ca 2A O- 6A; A999 A022 A000

WPI Acc No: 2000-248813/ 200022

XRAM Acc No: C00-075490

XRPX Acc No: N00-186376

Organic EL element has adhesive agent containing water absorbing material
and formed on periphery of glass substrate

Patent Assignee: FUTABA DENSHI KOGYO KK (FUTK)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000030857	A	20000128	JP 98193316	A	1998070	200022 B

Priority Applications (No Type Date): JP 98193316 A 19980708

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000030857	A		7 H05B-033/04	

Abstract (Basic): JP 2000030857 A

NOVELTY - An anode (2), an organic layer (4) and a cathode (5) consisting of transparent electrically conductive film are formed sequentially on a glass substrate (1). A sealing substrate (6) is sealed with an adhesive agent (11) provided on periphery of glass substrate. The adhesive agent contains water absorbing material (12).

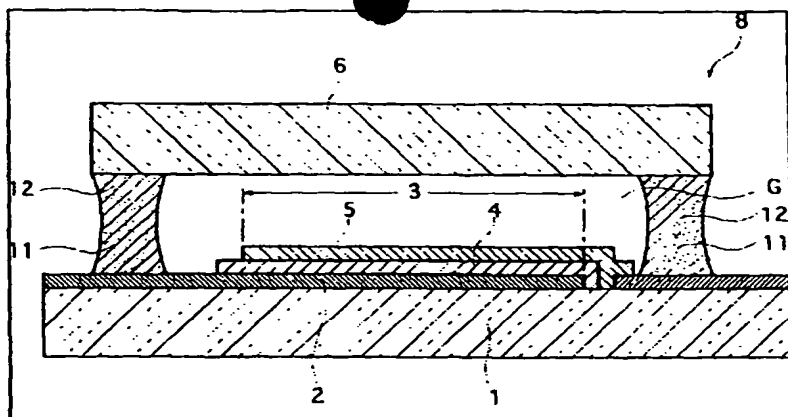
DETAILED DESCRIPTION - The anode and cathode consists of electrically conductive film. The organic layer consists of light emitting layer. An INDEPENDENT CLAIM is also included for organic EL element manufacturing method.

USE - Organic EL element.

ADVANTAGE - As the adhesive agent contains water absorbing material, water content inside the element is maintained during chemical reaction.

DESCRIPTION OF DRAWING - The figure shows sectional view of organic EL element. (1) Glass substrate; (2) Anode; (4) Organic layer; (5) Cathode; (6) Sealing substrate; (11) Adhesive agent; (12) Water absorbing material.

Dwg. 1/4



Title Terms: ORGANIC; ELECTROLUMINESCENT; ELEMENT; ADHESIVE; AGENT; CONTAIN
; WATER; ABSORB; MATERIAL; FORMING; PERIPHERAL; GLASS; SUBSTRATE

Derwent Class: L03; U14; X26

International Patent Class (Main): H05B-033/04

International Patent Class (Additional): H05B-033/10

File Segment: CPI; EPI

Manual Codes (CPI/A-N): L03-C04

Manual Codes (EPI/S-X): U14-J02; X26-J

WPI Acc No: 2000-275969/ 200024

XRAM Acc No: C00-083831

XRPX Acc No: N00-207353

Organic electroluminescent element for use as display device, has water absorption film consisting of graphite formed on interior side of sealing substrate arranged opposing element substrate

Patent Assignee: FUTABA DENSHI KOGYO KK (FUTK)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000068048	A	20000303	JP 98240484	A	1998082	200024 B

Priority Applications (No Type Date): JP 98240484 A 19980826

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000068048	A		7	H05B-033/04	

Abstract (Basic): JP 2000068048 A

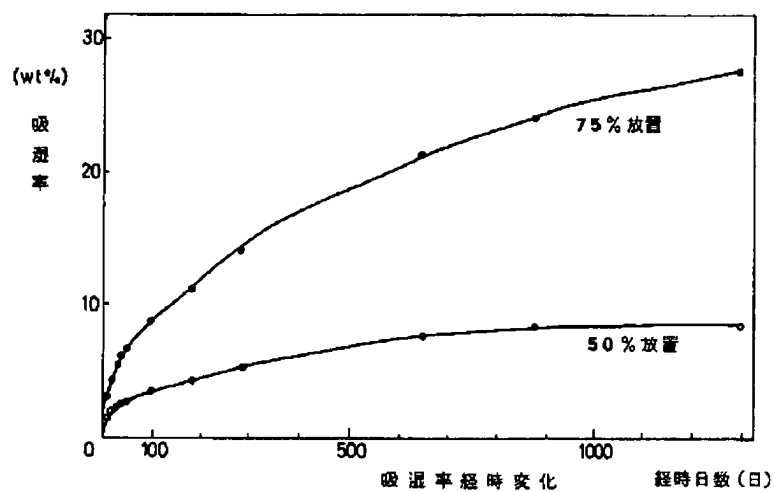
NOVELTY - Cathode (9) is laminated on an organic layer (8) in turn laminated on anode (6) consisting of transparent electrically conductive film (3) formed on element substrate (2). Light emission portion (4) of predetermined pattern is formed and a water absorption film (11) consisting of graphite is formed on the interior side of the sealing substrate (10) arranged opposing the element substrate through preset space.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the organic electroluminescent element manufacturing method.

USE - For use as display device.

ADVANTAGE - Enables to absorb water components effectively without complicating the structure. Suppresses the growth of dark spots and

[Figure 8]



[Figure 8; Translation]

Y-axis; Moisture absorption rate (wt%)

75% left alone

50% left alone

X-axis; Variation in absorbed moisture

Elapsed time (days)